

JP Rec'd PCT/PTO 25 MAY 2001

U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 5304
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. Application No. (if known, see 37 CFR 1.5) 09/856850
INTERNATIONAL APPLICATION NO. PCT/EP00/09423	INTERNATIONAL FILING DATE 27 September 2000	PRIORITY DATE(S) CLAIMED 28 September 1999
TITLE OF INVENTION THERMOSTABLE ENZYME PROMOTING THE FIDELITY OF THERMOSTABLE DNA POLYMERASES -- FOR IMPROVEMENT OF NUCLEIC ACID SYNTHESIS AND AMPLIFICATION <i>IN VITRO</i>		
APPLICANT(S) FOR DO/EO/US ANKENBAUER, LAUE, SOBEK AND GREIF		
Applicants herewith submit to the United States Designated/Elected Office (DO/EO/US) the following items and other information		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C.371 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371 3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). [unexecuted] 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11 to 16 below concern other document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> A substitute specification. 15. <input type="checkbox"/> A change of power of attorney and/or address letter. 16. Other items or information: A sequence listing is provided, in paper copy and on computer diskette. 		

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CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date May 25, 2001 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number ET059018505US addressed to the: Assistant Commissioner for Patents, Box PCT, Washington, D.C. 20231.

Victor K. Lee

(Print Name)

Date: May 25, 2001

(Signature)

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application
based on International Application No. PCT/EP00/09423
Filed September 27, 2000
Inventor(s) Ankenbauer *et al.*

For: **THERMOSTABLE ENZYME PROMOTING THE FIDELITY OF
THERMOSTABLE DNA POLYMERASES – FOR IMPROVEMENT OF
NUCLEIC ACID SYNTHESIS AND AMPLIFICATION *IN VITRO***

Attorney Docket No.: 5304

**TRANSMITTAL UNDER 35 U.S.C. §371 FOR ENTRY INTO NATIONAL
STAGE UNDER PCT**

Assistant Commissioner for Patents
Box PCT
Washington, D.C. 20231

Alameda, CA 94501
May 25, 2001

Applicants submit herewith the following documents under 35 U.S.C. §371:

1. A copy of the international application;
2. National filing fee;
3. Preliminary Amendment;

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4. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (in triplicate);
5. Combined Declaration and Power of Attorney for Patent Application (unexecuted);
6. Sequence Listing, paper copy and computer diskette; and
7. Statement Under 37 C.F.R. §1.821 or §1.825.

Respectfully submitted:

By: 

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Ankenbauer *et al.*

Group Art Unit: To Be Assigned

based on International Application No. PCT/EP00/09423

Examiner: To Be Assigned

Filed: September 27, 2000

Attorney Docket No: 5304

For: **THERMOSTABLE ENZYME PROMOTING THE FIDELITY OF
THERMOSTABLE DNA POLYMERASES – FOR IMPROVEMENT OF NUCLEIC
ACID SYNTHESIS AND AMPLIFICATION *IN VITRO***

**STATEMENT
UNDER 37 C.F.R. §1.821 or §1.825**

Assistant Commissioner for Patents
Box PCT
Washington, D.C. 20231

Alameda, CA
May 25, 2001

Sir:

I hereby certify that:

 X The contents of the paper Sequence Listing and computer readable Sequence Listing
submitted herewith are the same. (37 CFR §1.821(f)).

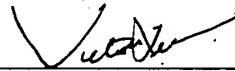
 The contents of the paper Sequence Listing and computer readable Sequence Listing
submitted herewith are the same. No new matter is included. (37 CFR §1.821(f) &
(g))

— Each of the substituted sheets of the paper Sequence Listing submitted herewith is supported in the captioned application. No new matter is included. (37 CFR §1.825(a))

— The contents of the substitute paper Sequence Listing and substitute computer readable Sequence Listing submitted herewith are the same. No new matter is included. (37 CFR §1.825(a) & (b))

— The substitute computer readable Sequence Listing submitted herewith is identical to that originally filed. (37 CFR §1.825(d))

Respectfully submitted,



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